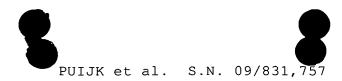


The Missing Requirements mailed June 21, 2001, required submission of an executed declaration and a Sequence Listing. Both of those required elements are attached hereto.

In addition, the specification has been amended to insert the sequence identification numbers at appropriate places. As there are 108 sequences in this application, the revision to the specification was sufficiently extensive that it was considered expedient to replace the specification originally filed with the attached substitute specification. Also attached hereto is a copy of the original text, in which the insertions are shown underlined (with flagging bars in the margin), so that the substitute specification can be compared to the original text for consistency.

Applicants hereby state that the attached substitute specification adds no new matter to the present application; applicants further state that the content of the attached paper and disk versions of the Sequence Listing are the same.

It is believed that the initial formalities have been complied with, and that the application is now in condition for



examination on the merits. Such action is respectfully requested.

Respectfully submitted,

YOUNG & THOMPSON

33027

Andrew J. Patch

Attorney for Applicants Registration No. 32,925 745 South 23rd Street Arlington, VA 22202

Telephone: 521-2297

August 21, 2001